

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561,053A  
Source: IFWP  
Date Processed by STIC: 10/26/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/561,053A

CRF Edit Date: 10/26/06  
Edited by: h

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other: deleted <1507, <1517 lines - they contained  
current application data



IFWP

## RAW SEQUENCE LISTING

DATE: 10/26/2006

PATENT APPLICATION: US/10/561,053A

TIME: 18:05:52

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10262006\J561053A.raw

```

4 <110> APPLICANT: BRISSON, et al.
6 <120> TITLE OF INVENTION: PLANT TRANSCRIPTIONAL ACTIVATOR AND USES
7   THEREOF
9 <130> FILE REFERENCE: 2006691-0002
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/561,053A
C--> 11 <141> CURRENT FILING DATE: 2005-12-16
11 <160> NUMBER OF SEQ ID NOS: 4
13 <170> SOFTWARE: FastSEQ for Windows Version 4.0
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 274
17 <212> TYPE: PRT
18 <213> ORGANISM: Artificial Sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: potato StWhy1 protein sequence
23 <400> SEQUENCE: 1
24 Met Ser Asn Phe Ser Leu Ser Pro Ser Pro Thr Ser Gly Phe Ser Leu
25 1 5 10 15
26 Asn Leu Gln Asn Pro Thr Lys Thr Ser Tyr Leu Ser Phe Ser Ser
27 20 25 30
28 Ile Asn Thr Ile Phe Ala Pro Leu Ser Ser Asn Thr Thr Lys Ser Phe
29 35 40 45
30 Ser Gly Leu Thr His Lys Ala Ala Leu Pro Arg Asn Leu Ser Leu Thr
31 50 55 60
32 Cys Arg His Ser Asp Tyr Phe Glu Pro Gln Gln Gln Gln Gln Gln
33 65 70 75 80
34 Gln Gln Gln Pro Gln Gly Ala Ser Thr Pro Lys Val Phe Val Gly Tyr
35 85 90 95
36 Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val Glu Pro Arg Ser Pro
37 100 105 110
38 Glu Phe Ser Pro Leu Asp Ser Gly Ala Phe Lys Leu Ser Arg Glu Gly
39 115 120 125
40 Met Val Met Leu Gln Phe Ala Pro Ala Ala Gly Val Arg Gln Tyr Asp
41 130 135 140
42 Trp Ser Arg Lys Gln Val Phe Ser Leu Ser Val Thr Glu Ile Gly Ser
43 145 150 155 160
44 Ile Ile Ser Leu Gly Ala Lys Asp Ser Cys Glu Phe Phe His Asp Pro
45 165 170 175
46 Asn Lys Gly Arg Ser Asp Glu Gly Arg Val Arg Lys Val Leu Lys Val
47 180 185 190
48 Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe Asn Leu Ser Val Gln
49 195 200 205
50 Asn Lys Leu Ile Asn Leu Asp Glu Asn Ile Tyr Ile Pro Val Thr Lys
51 210 215 220

```

## RAW SEQUENCE LISTING

DATE: 10/26/2006

PATENT APPLICATION: US/10/561,053A

TIME: 18:05:52

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10262006\J561053A.raw

```

52 Ala Glu Phe Ala Val Leu Val Ser Ala Phe Asn Phe Val Met Pro Tyr
53 225                230                235                240
54 Leu Leu Gly Trp His Thr Ala Val Asn Ser Phe Lys Pro Glu Asp Ala
55                245                250                255
56 Ser Arg Ser Asn Asn Ala Asn Pro Arg Ser Gly Ala Glu Leu Glu Trp
57                260                265                270
58 Asn Arg
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 263
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy1
69 <400> SEQUENCE: 2
70 Met Ser Gln Leu Leu Ser Thr Pro Leu Met Ala Val Asn Ser Asn Pro
71 1          5          10          15
72 Arg Phe Leu Ser Ser Ser Ser Val Leu Val Thr Gly Gly Phe Ala Val
73                20                25                30
74 Lys Arg His Gly Phe Ala Leu Lys Pro Thr Thr Lys Thr Val Lys Leu
75                35                40                45
76 Phe Ser Val Lys Ser Arg Gln Thr Asp Tyr Phe Glu Lys Gln Arg Phe
77                50                55                60
78 Gly Asp Ser Ser Ser Ser Pro Ser Pro Ala Glu Gly Leu Pro Ala Arg
79 65                70                75                80
80 Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val
81                85                90                95
82 Asp Pro Arg Ala Pro Glu Phe Val Ala Leu Asp Ser Gly Ala Phe Lys
83                100               105               110
84 Leu Ser Lys Asp Gly Phe Leu Leu Leu Gln Phe Ala Pro Ser Ala Gly
85                115               120               125
86 Val Arg Gln Tyr Asp Trp Ser Lys Lys Gln Val Phe Ser Leu Ser Val
87                130               135               140
88 Thr Glu Ile Gly Thr Leu Val Ser Leu Gly Pro Arg Glu Ser Cys Glu
89 145               150               155               160
90 Phe Phe His Asp Pro Phe Lys Gly Lys Ser Asp Glu Gly Lys Val Arg
91                165               170               175
92 Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe
93                180               185               190
94 Asn Leu Ser Val Gln Asn Lys Leu Val Asn Val Asp Glu Ser Ile Tyr
95                195               200               205
96 Ile Pro Ile Thr Arg Ala Glu Phe Ala Val Leu Ile Ser Ala Phe Asn
97                210               215               220
98 Phe Val Leu Pro Tyr Leu Ile Gly Trp His Ala Phe Ala Asn Ser Ile
99 225               230               235               240
100 Lys Pro Glu Glu Thr Ser Arg Val Asn Asn Ala Ser Pro Asn Tyr Gly
101                245               250               255
102 Gly Asp Tyr Glu Trp Asn Arg
103                260
105 <210> SEQ ID NO: 3

```

## RAW SEQUENCE LISTING

DATE: 10/26/2006

PATENT APPLICATION: US/10/561,053A

TIME: 18:05:52

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10262006\J561053A.raw

```

106 <211> LENGTH: 237
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy2
113 <400> SEQUENCE: 3
114 Met Lys Gln Ala Arg Ser Leu Leu Ser Arg Ser Leu Cys Asp Gln Ser
115 1 5 10 15
116 Lys Ser Leu Phe Glu Ala Ser Thr Leu Arg Gly Phe Ala Ser Trp Ser
117 20 25 30
118 Asn Ser Ser Thr Pro Gly Arg Gly Phe Pro Gly Lys Asp Ala Ala Lys
119 35 40 45
120 Pro Ser Gly Arg Leu Phe Ala Pro Tyr Ser Ile Phe Lys Gly Lys Ala
121 50 55 60
122 Ala Leu Ser Val Glu Pro Val Leu Pro Ser Phe Thr Glu Ile Asp Ser
123 65 70 75 80
124 Gly Asn Leu Arg Ile Asp Arg Arg Gly Ser Leu Met Met Thr Phe Met
125 85 90 95
126 Pro Ala Ile Gly Glu Arg Lys Tyr Asp Trp Glu Lys Lys Gln Lys Phe
127 100 105 110
128 Ala Leu Ser Pro Thr Glu Val Gly Ser Leu Ile Ser Met Gly Ser Lys
129 115 120 125
130 Asp Ser Ser Glu Phe Phe His Asp Pro Ser Met Lys Ser Ser Asn Ala
131 130 135 140
132 Gly Gln Val Arg Lys Ser Leu Ser Val Lys Pro His Ala Asp Gly Ser
133 145 150 155 160
134 Gly Tyr Phe Ile Ser Leu Ser Val Asn Asn Ser Ile Leu Lys Thr Asn
135 165 170 175
136 Asp Tyr Phe Val Val Pro Val Thr Lys Ala Glu Phe Ala Val Met Lys
137 180 185 190
138 Thr Ala Phe Ser Phe Ala Leu Pro His Ile Met Gly Trp Asn Arg Leu
139 195 200 205
140 Thr Gly His Val Asn Thr Glu Ala Leu Pro Ser Arg Asn Val Ser His
141 210 215 220
142 Leu Lys Thr Glu Pro Gln Leu Glu Leu Glu Trp Asp Lys
143 225 230 235
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 267
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy3
153 <400> SEQUENCE: 4
154 Met Ser Gln Leu Leu Ser Ser Pro Pro Met Ala Val Phe Ser Lys Thr
155 1 5 10 15
156 Phe Ile Asn His Lys Phe Ser Asp Ala Arg Phe Leu Ser Ser His Ser
157 20 25 30
158 Ile Leu Thr Ser Gly Gly Phe Ala Gly Lys Ile Ile Pro Leu Lys Pro
159 35 40 45

```

## RAW SEQUENCE LISTING

DATE: 10/26/2006

PATENT APPLICATION: US/10/561,053A

TIME: 18:05:52

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10262006\J561053A.raw

```

160 Thr Ala Arg Leu Lys Leu Thr Val Lys Ser Arg Gln Ser Asp Tyr Phe
161      50                      55                      60
162 Glu Lys Gln Arg Phe Gly Asp Ser Ser Ser Ser Gln Asn Ala Glu Val
163 65                      70                      75                      80
164 Ser Ser Pro Arg Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala
165                      85                      90                      95
166 Ala Leu Thr Ile Glu Pro Arg Ala Pro Glu Phe Val Ala Leu Glu Ser
167                      100                      105                      110
168 Gly Ala Phe Lys Leu Thr Lys Glu Gly Phe Leu Leu Leu Gln Phe Ala
169                      115                      120                      125
170 Pro Ala Ala Gly Val Arg Gln Tyr Asp Trp Ser Arg Lys Gln Val Phe
171                      130                      135                      140
172 Ser Leu Ser Val Thr Glu Ile Gly Asn Leu Val Ser Leu Gly Pro Arg
173 145                      150                      155                      160
174 Glu Ser Cys Glu Phe Phe His Asp Pro Phe Lys Gly Lys Gly Asp Glu
175                      165                      170                      175
176 Gly Lys Val Arg Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser
177                      180                      185                      190
178 Gly Arg Phe Phe Asn Leu Ser Val Gln Asn Lys Leu Leu Asn Val Asp
179                      195                      200                      205
180 Glu Ser Val Tyr Ile Pro Ile Thr Lys Ala Glu Phe Ala Val Leu Ile
181                      210                      215                      220
182 Ser Ala Phe Asn Phe Val Leu Pro His Leu Ile Gly Trp Ser Ala Phe
183 225                      230                      235                      240
184 Ala Asn Ser Ile Lys Pro Glu Asp Ser Asn Arg Leu Asn Asn Ala Ser
185                      245                      250                      255
186 Pro Lys Tyr Gly Gly Asp Tyr Glu Trp Ser Arg
187                      260                      265

```

**VERIFICATION SUMMARY**

DATE: 10/26/2006

PATENT APPLICATION: US/10/561,053A

TIME: 18:05:53

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10262006\J561053A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**





IFWP

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/561,053A

TIME: 09:03:07

Input Set : A:\2006691-0002.txt

Output Set: N:\CRF4\10252006\J561053A.raw

4 <110> APPLICANT: BRISSON, et al.  
 6 <120> TITLE OF INVENTION: PLANT TRANSCRIPTIONAL ACTIVATOR AND USES  
 7 THEREOF  
 9 <130> FILE REFERENCE: 2006691-0002  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/561,053A  
 C--> 11 <141> CURRENT FILING DATE: 2005-12-16  
 11 <150> PRIOR APPLICATION NUMBER: 10/561,053  
 12 <151> PRIOR FILING DATE: 2006-06-22  
 14 <160> NUMBER OF SEQ ID NOS: 4  
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 274  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Artificial Sequence  
 23 <220> FEATURE:  
 24 <223> OTHER INFORMATION: potato StWyl1 protein sequence  
 26 <400> SEQUENCE: 1  
 27 Met Ser Asn Phe Ser Leu Ser Pro Ser Pro Thr Ser Gly Phe Ser Leu  
 28 1 5 10 15  
 29 Asn Leu Gln Asn Pro Thr Lys Thr Ser Tyr Leu Ser Phe Ser Ser Ser  
 30 20 25 30  
 31 Ile Asn Thr Ile Phe Ala Pro Leu Ser Ser Asn Thr Thr Lys Ser Phe  
 32 35 40 45  
 33 Ser Gly Leu Thr His Lys Ala Ala Leu Pro Arg Asn Leu Ser Leu Thr  
 34 50 55 60  
 35 Cys Arg His Ser Asp Tyr Phe Glu Pro Gln Gln Gln Gln Gln Gln  
 36 65 70 75 80  
 37 Gln Gln Gln Pro Gln Gly Ala Ser Thr Pro Lys Val Phe Val Gly Tyr  
 38 85 90 95  
 39 Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val Glu Pro Arg Ser Pro  
 40 100 105 110  
 41 Glu Phe Ser Pro Leu Asp Ser Gly Ala Phe Lys Leu Ser Arg Glu Gly  
 42 115 120 125  
 43 Met Val Met Leu Gln Phe Ala Pro Ala Ala Gly Val Arg Gln Tyr Asp  
 44 130 135 140  
 45 Trp Ser Arg Lys Gln Val Phe Ser Leu Ser Val Thr Glu Ile Gly Ser  
 46 145 150 155 160  
 47 Ile Ile Ser Leu Gly Ala Lys Asp Ser Cys Glu Phe Phe His Asp Pro  
 48 165 170 175  
 49 Asn Lys Gly Arg Ser Asp Glu Gly Arg Val Arg Lys Val Leu Lys Val  
 50 180 185 190  
 51 Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe Asn Leu Ser Val Gln  
 52 195 200 205

*delete - these are current application data*  
 Does Not Comply  
 Corrected Diskette Needed

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/561,053A

DATE: 10/25/2006

TIME: 09:03:07

Input Set : A:\2006691-0002.txt

Output Set: N:\CRF4\10252006\J561053A.raw

```

53 Asn Lys Leu Ile Asn Leu Asp Glu Asn Ile Tyr Ile Pro Val Thr Lys
54      210                      215                      220
55 Ala Glu Phe Ala Val Leu Val Ser Ala Phe Asn Phe Val Met Pro Tyr
56 225                      230                      235                      240
57 Leu Leu Gly Trp His Thr Ala Val Asn Ser Phe Lys Pro Glu Asp Ala
58                      245                      250                      255
59 Ser Arg Ser Asn Asn Ala Asn Pro Arg Ser Gly Ala Glu Leu Glu Trp
60      260                      265                      270
61 Asn Arg
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 263
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy1
72 <400> SEQUENCE: 2
73 Met Ser Gln Leu Leu Ser Thr Pro Leu Met Ala Val Asn Ser Asn Pro
74 1                      5                      10                      15
75 Arg Phe Leu Ser Ser Ser Ser Val Leu Val Thr Gly Gly Phe Ala Val
76      20                      25                      30
77 Lys Arg His Gly Phe Ala Leu Lys Pro Thr Thr Lys Thr Val Lys Leu
78      35                      40                      45
79 Phe Ser Val Lys Ser Arg Gln Thr Asp Tyr Phe Glu Lys Gln Arg Phe
80      50                      55                      60
81 Gly Asp Ser Ser Ser Ser Pro Ser Pro Ala Glu Gly Leu Pro Ala Arg
82 65                      70                      75                      80
83 Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala Ala Leu Thr Val
84      85                      90                      95
85 Asp Pro Arg Ala Pro Glu Phe Val Ala Leu Asp Ser Gly Ala Phe Lys
86      100                     105                     110
87 Leu Ser Lys Asp Gly Phe Leu Leu Gln Phe Ala Pro Ser Ala Gly
88      115                     120                     125
89 Val Arg Gln Tyr Asp Trp Ser Lys Lys Gln Val Phe Ser Leu Ser Val
90      130                     135                     140
91 Thr Glu Ile Gly Thr Leu Val Ser Leu Gly Pro Arg Glu Ser Cys Glu
92 145                     150                     155                     160
93 Phe Phe His Asp Pro Phe Lys Gly Lys Ser Asp Glu Gly Lys Val Arg
94      165                     170                     175
95 Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser Gly His Phe Phe
96      180                     185                     190
97 Asn Leu Ser Val Gln Asn Lys Leu Val Asn Val Asp Glu Ser Ile Tyr
98      195                     200                     205
99 Ile Pro Ile Thr Arg Ala Glu Phe Ala Val Leu Ile Ser Ala Phe Asn
100     210                     215                     220
101 Phe Val Leu Pro Tyr Leu Ile Gly Trp His Ala Phe Ala Asn Ser Ile
102 225                     230                     235                     240
103 Lys Pro Glu Glu Thr Ser Arg Val Asn Asn Ala Ser Pro Asn Tyr Gly
104      245                     250                     255
105 Gly Asp Tyr Glu Trp Asn Arg

```

## RAW SEQUENCE LISTING

DATE: 10/25/2006

PATENT APPLICATION: US/10/561,053A

TIME: 09:03:07

Input Set : A:\2006691-0002.txt

Output Set: N:\CRF4\10252006\J561053A.raw

```

106          260
108 <210> SEQ ID NO: 3
109 <211> LENGTH: 237
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy2
116 <400> SEQUENCE: 3
117 Met Lys Gln Ala Arg Ser Leu Leu Ser Arg Ser Leu Cys Asp Gln Ser
118 1          5          10          15
119 Lys Ser Leu Phe Glu Ala Ser Thr Leu Arg Gly Phe Ala Ser Trp Ser
120          20          25          30
121 Asn Ser Ser Thr Pro Gly Arg Gly Phe Pro Gly Lys Asp Ala Ala Lys
122          35          40          45
123 Pro Ser Gly Arg Leu Phe Ala Pro Tyr Ser Ile Phe Lys Gly Lys Ala
124          50          55          60
125 Ala Leu Ser Val Glu Pro Val Leu Pro Ser Phe Thr Glu Ile Asp Ser
126 65          70          75          80
127 Gly Asn Leu Arg Ile Asp Arg Arg Gly Ser Leu Met Met Thr Phe Met
128          85          90          95
129 Pro Ala Ile Gly Glu Arg Lys Tyr Asp Trp Glu Lys Lys Gln Lys Phe
130          100         105         110
131 Ala Leu Ser Pro Thr Glu Val Gly Ser Leu Ile Ser Met Gly Ser Lys
132          115         120         125
133 Asp Ser Ser Glu Phe Phe His Asp Pro Ser Met Lys Ser Ser Asn Ala
134          130         135         140
135 Gly Gln Val Arg Lys Ser Leu Ser Val Lys Pro His Ala Asp Gly Ser
136 145         150         155         160
137 Gly Tyr Phe Ile Ser Leu Ser Val Asn Asn Ser Ile Leu Lys Thr Asn
138          165         170         175
139 Asp Tyr Phe Val Val Pro Val Thr Lys Ala Glu Phe Ala Val Met Lys
140          180         185         190
141 Thr Ala Phe Ser Phe Ala Leu Pro His Ile Met Gly Trp Asn Arg Leu
142          195         200         205
143 Thr Gly His Val Asn Thr Glu Ala Leu Pro Ser Arg Asn Val Ser His
144          210         215         220
145 Leu Lys Thr Glu Pro Gln Leu Glu Leu Glu Trp Asp Lys
146 225         230         235
148 <210> SEQ ID NO: 4
149 <211> LENGTH: 267
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Arabidopsis Whirly proteins AtWhy3
156 <400> SEQUENCE: 4
157 Met Ser Gln Leu Leu Ser Ser Pro Pro Met Ala Val Phe Ser Lys Thr
158 1          5          10          15
159 Phe Ile Asn His Lys Phe Ser Asp Ala Arg Phe Leu Ser Ser His Ser
160          20          25          30

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/561,053A

DATE: 10/25/2006

TIME: 09:03:07

Input Set : A:\2006691-0002.txt

Output Set: N:\CRF4\10252006\J561053A.raw

```

161 Ile Leu Thr Ser Gly Gly Phe Ala Gly Lys Ile Ile Pro Leu Lys Pro
162      35                      40                      45
163 Thr Ala Arg Leu Lys Leu Thr Val Lys Ser Arg Gln Ser Asp Tyr Phe
164      50                      55                      60
165 Glu Lys Gln Arg Phe Gly Asp Ser Ser Ser Ser Gln Asn Ala Glu Val
166 65                      70                      75                      80
167 Ser Ser Pro Arg Phe Tyr Val Gly His Ser Ile Tyr Lys Gly Lys Ala
168      85                      90                      95
169 Ala Leu Thr Ile Glu Pro Arg Ala Pro Glu Phe Val Ala Leu Glu Ser
170      100                     105                     110
171 Gly Ala Phe Lys Leu Thr Lys Glu Gly Phe Leu Leu Leu Gln Phe Ala
172      115                     120                     125
173 Pro Ala Ala Gly Val Arg Gln Tyr Asp Trp Ser Arg Lys Gln Val Phe
174      130                     135                     140
175 Ser Leu Ser Val Thr Glu Ile Gly Asn Leu Val Ser Leu Gly Pro Arg
176 145                     150                     155                     160
177 Glu Ser Cys Glu Phe Phe His Asp Pro Phe Lys Gly Lys Gly Asp Glu
178      165                     170                     175
179 Gly Lys Val Arg Lys Val Leu Lys Val Glu Pro Leu Pro Asp Gly Ser
180      180                     185                     190
181 Gly Arg Phe Phe Asn Leu Ser Val Gln Asn Lys Leu Leu Asn Val Asp
182      195                     200                     205
183 Glu Ser Val Tyr Ile Pro Ile Thr Lys Ala Glu Phe Ala Val Leu Ile
184      210                     215                     220
185 Ser Ala Phe Asn Phe Val Leu Pro His Leu Ile Gly Trp Ser Ala Phe
186 225                     230                     235                     240
187 Ala Asn Ser Ile Lys Pro Glu Asp Ser Asn Arg Leu Asn Asn Ala Ser
188      245                     250                     255
189 Pro Lys Tyr Gly Gly Asp Tyr Glu Trp Ser Arg
190      260                     265

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/561,053A

DATE: 10/25/2006

TIME: 09:03:08

Input Set : A:\2006691-0002.txt

Output Set: N:\CRF4\10252006\J561053A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date